

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT
SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE TOXICITY
JUNE 6, 2003

The Safe Drinking Water and Toxic Enforcement Act of 1986 requires that the Governor revise and republish at least once per year the list of chemicals known to the State to cause cancer or reproductive toxicity. The identification number indicated in the following list is the Chemical Abstracts Service (CAS) Registry Number. No CAS number is given when several substances are presented as a single listing. The date refers to the initial appearance of the chemical on the list. For easy reference, chemicals which are shown underlined are newly added. Chemicals which are shown with a strikethrough were placed on the list with the date noted, and have subsequently been removed.

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER

<u>Chemical</u>	<u>CAS Number</u>	<u>Date</u>
Analgesic mixtures containing phenacetin	---	February 27, 1987
Arsenic (inorganic arsenic compounds)	---	February 27, 1987
Certain combined chemotherapy for lymphomas	---	February 27, 1987
Chromium (hexavalent compounds)	---	February 27, 1987
Coke oven emissions	---	February 27, 1987
Conjugated estrogens	---	February 27, 1987
Soots, tars, and mineral oils (untreated and mildly treated oils and used engine oils)	---	February 27, 1987
Beryllium and beryllium compounds	---	October 1, 1987
Cadmium and cadmium compounds	---	October 1, 1987
Hexachlorocyclohexane (technical grade)	---	October 1, 1987
Nickel refinery dust from the pyrometallurgical process	---	October 1, 1987
Aflatoxins	---	January 1, 1988
Polybrominated biphenyls	---	January 1, 1988
Polychlorinated biphenyls (containing 60 or more percent chlorine by molecular weight)	---	January 1, 1988
Tobacco smoke	---	April 1, 1988
Tobacco, oral use of smokeless products	---	April 1, 1988
Unleaded gasoline (wholly vaporized)	---	April 1, 1988
Alcoholic beverages, when associated with alcohol abuse	---	July 1, 1988
Creosotes	---	October 1, 1988
Silica, crystalline (airborne particles of respirable size)	---	October 1, 1988
Radionuclides	---	July 1, 1989
Lindane and other hexachlorocyclohexane isomers	---	October 1, 1989
Oral contraceptives, combined	---	October 1, 1989
Oral contraceptives, sequential	---	October 1, 1989
Polychlorinated biphenyls	---	October 1, 1989
Betel quid with tobacco	---	January 1, 1990
Bitumens, extracts of steam-refined and air refined	---	January 1, 1990
Bracken fern	---	January 1, 1990
Carbon-black extracts	---	January 1, 1990
Diaminotoluene (mixed)	---	January 1, 1990
Talc containing asbestiform fibers	---	April 1, 1990
Ceramic fibers (airborne particles of respirable size)	---	July 1, 1990

Glasswool fibers (airborne particles of respirable size)	---	July 1, 1990
Diesel engine exhaust	---	October 1, 1990
Gasoline engine exhaust (condensates/extracts)	---	October 1, 1990
Residual (heavy) fuel oils	---	October 1, 1990
Methylhydrazine and its salts	---	July 1, 1992
Phenylhydrazine and its salts	---	July 1, 1992
Benzidine-based dyes	---	October 1, 1992
Lead and lead compounds	---	October 1, 1992
Polychlorinated dibenzofurans	---	October 1, 1992
Polychlorinated dibenzo-p-dioxins	---	October 1, 1992
Dinitrotoluene mixture, 2,4-/2,6-	---	May 1, 1996
Methylmercury compounds	---	May 1, 1996
2,4,5-Trimethylaniline and its strong acid salts	---	October 24, 1997
5-Chloro-o-toluidine and its strong acid salts	---	October 24, 1997
Quinoline and its strong acid salts	---	October 24, 1997
p-Chloro-o-toluidine, strong acid salts of	---	May 15, 1998
Bis(2-chloro-1-methylethyl)ether, technical grade	---	October 29, 1999
Strong inorganic acid mists containing sulfuric acid	---	March 14, 2003
Formaldehyde (gas)	50000	January 1, 1988
Phenobarbital	50066	January 1, 1990
Mitomycin C	50077	April 1, 1988
Cyclophosphamide (anhydrous)	50180	February 27, 1987
Estradiol 17B	50282	January 1, 1988
DDT (Dichlorodiphenyltrichloroethane)	50293	October 1, 1987
Benzo[a]pyrene	50328	July 1, 1987
Reserpine	50555	October 1, 1989
Actinomycin D	50760	October 1, 1989
Propylthiouracil	51525	January 1, 1988
Nitrogen mustard (Mechlorethamine)	51752	January 1, 1988
Urethane (Ethyl carbamate)	51796	January 1, 1988
Spironolactone	52017	May 1, 1997
Tris(1-aziridinyl)phosphine sulfide (Thiotepa)	52244	January 1, 1988
Lynestrenol	52766	February 27, 2001
Estrone	53167	January 1, 1988
Dibenz[a,h]anthracene	53703	January 1, 1988
2-Acetylaminofluorene	53963	July 1, 1987
N-Nitrosodiethylamine	55185	October 1, 1987
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	55867	April 1, 1988
1,4-Butanediol dimethanesulfonate (Busulfan)	55981	February 27, 1987
Methylthiouracil	56042	October 1, 1989
Carbon tetrachloride	56235	October 1, 1987
3-Methylcholanthrene	56495	January 1, 1990
Diethylstilbestrol (DES)	56531	February 27, 1987
Benz[a]anthracene	56553	July 1, 1987
Chloramphenicol	56757	October 1, 1989
1,1-Dimethylhydrazine (UDMH)	57147	October 1, 1989
Diphenylhydantoin (Phenytoin)	57410	January 1, 1988
beta-Propiolactone	57578	January 1, 1988
Ethinylestradiol	57636	January 1, 1988
Chlordane	57749	July 1, 1988
Progesterone	57830	January 1, 1988
7,12-Dimethylbenz(a)anthracene	57976	January 1, 1990
Testosterone and its esters	58220	April 1, 1988
Nitrofurazone	59870	January 1, 1990

N-Nitrosomorpholine	59892	January 1, 1988
Phenoxybenzamine	59961	April 1, 1988
p-Aminoazobenzene	60093	January 1, 1990
4-Dimethylaminoazobenzene	60117	January 1, 1988
Acetamide	60355	January 1, 1990
Dieldrin	60571	July 1, 1988
Niridazole	61574	April 1, 1988
Amitrole	61825	July 1, 1987
Phenacetin	62442	October 1, 1989
Ethyl methanesulfonate	62500	January 1, 1988
Aniline	62533	January 1, 1990
Thioacetamide	62555	January 1, 1988
Thiourea	62566	January 1, 1988
DDVP (Dichlorvos)	62737	January 1, 1989
N-Nitrosodimethylamine	62759	October 1, 1987
Phenoxybenzamine hydrochloride	63923	April 1, 1988
Diethyl sulfate	64675	January 1, 1988
Methyl methanesulfonate	66273	April 1, 1988
Uracil mustard	66751	April 1, 1988
Furazolidone	67458	January 1, 1990
Chloroform	67663	October 1, 1987
Hexachloroethane	67721	July 1, 1990
Norethisterone (Norethindrone)	68224	October 1, 1989
Norethynodrel	68235	February 27, 2001
Tris(aziridinyl)-para-benzoquinone (Triaziquone)	68768	October 1, 1989
N-Methyl-N'-nitro-N-nitrosoguanidine	70257	April 1, 1988
Benzene	71432	February 27, 1987
Medroxyprogesterone acetate	71589	January 1, 1990
Mestranol	72333	April 1, 1988
DDD (Dichlorodiphenyldichloroethane)	72548	January 1, 1989
DDE (Dichlorodiphenyldichloroethylene)	72559	January 1, 1989
Trypan blue (commercial grade)	72571	October 1, 1989
Methyl iodide	74884	April 1, 1988
Bromoethane	74964	December 22, 2000
Chloroethane (Ethyl chloride)	75003	July 1, 1990
Vinyl chloride	75014	February 27, 1987
Vinyl fluoride	75025	May 1, 1997
Acetaldehyde	75070	April 1, 1988
Dichloromethane (Methylene chloride)	75092	April 1, 1988
Ethylene oxide	75218	July 1, 1987
Bromoform	75252	April 1, 1991
Bromodichloromethane	75274	January 1, 1990
1,1-Dichloroethane	75343	January 1, 1990
Nitromethane	75525	May 1, 1997
2-Methylaziridine (Propyleneimine)	75558	January 1, 1988
Propylene oxide	75569	October 1, 1988
Cacodylic acid	75605	May 1, 1996
Heptachlor	76448	July 1, 1988
Triphenyltin hydroxide	76879	July 1, 1992
Phenolphthalein	77098	May 15, 1998
Dimethyl sulfate	77781	January 1, 1988
Isoprene	78795	May 1, 1996
1,2-Dichloropropane	78875	January 1, 1990
Vinyl trichloride (1,1,2-Trichloroethane)	79005	October 1, 1990

Trichloroethylene	79016	April 1, 1988
Acrylamide	79061	January 1, 1990
1,1,2,2-Tetrachloroethane	79345	July 1, 1990
Dichloroacetic acid	79436	May 1, 1996
Dimethylcarbamoyl chloride	79447	January 1, 1988
2-Nitropropane	79469	January 1, 1988
Saccharin Delisted April 6, 2001	81072	October 1, 1989
1-Amino-2,4-dibromoanthraquinone	81492	August 26, 1997
D&C Red No. 19	81889	July 1, 1990
1-Amino-2-methylantraquinone	82280	October 1, 1989
Dienestrol	84173	January 1, 1990
N-Nitrosodiphenylamine	86306	April 1, 1988
Carbazole	86748	May 1, 1996
Cinnamyl anthranilate	87296	July 1, 1989
2,6-Xylidine (2,6-Dimethylaniline)	87627	January 1, 1991
Pentachlorophenol	87865	January 1, 1990
2,4,6-Trichlorophenol	88062	January 1, 1988
o-Nitrotoluene	88722	May 15, 1998
ortho-Anisidine	90040	July 1, 1987
o-Phenylphenol	90437	August 4, 2000
Michler's ketone	90948	January 1, 1988
Naphthalene	91203	April 19, 2002
o-Nitroanisole	91236	October 1, 1992
2-Naphthylamine	91598	February 27, 1987
3,3'-Dichlorobenzidine	91941	October 1, 1987
4-Aminobiphenyl (4-aminodiphenyl)	92671	February 27, 1987
Benzidine [and its salts]	92875	February 27, 1987
4-Nitrobiphenyl	92933	April 1, 1988
Methyleugenol	93152	November 16, 2001
Dihydrosafrole	94586	January 1, 1988
Safrole	94597	January 1, 1988
Phenazopyridine	94780	January 1, 1988
Sulfallate	95067	January 1, 1988
ortho-Toluidine	95534	January 1, 1988
o-Phenylenediamine and its salts	95545	May 15, 1998
p-Chloro-o-toluidine	95692	January 1, 1990
2,4-Diaminotoluene	95807	January 1, 1988
4-Chloro-ortho-phenylenediamine	95830	January 1, 1988
Styrene oxide	96093	October 1, 1988
1,2-Dibromo-3-chloropropane (DBCP)	96128	July 1, 1987
2,3-Dibromo-1-propanol	96139	October 1, 1994
1,2,3-Trichloropropane	96184	October 1, 1992
Ethylene thiourea	96457	January 1, 1988
ortho-Aminoazotoluene	97563	July 1, 1987
Benzotrichloride	98077	July 1, 1987
Nitrobenzene	98953	August 26, 1997
5-Nitro-o-anisidine	99592	October 1, 1989
1-Chloro-4-nitrobenzene	100005	October 29, 1999
4-Vinylcyclohexene	100403	May 1, 1996
Benzyl chloride	100447	January 1, 1990
N-Nitrosopiperidine	100754	January 1, 1988
4,4'-Methylene bis(2-chloroaniline)	101144	July 1, 1987
4,4'-Methylene bis(N,N-dimethyl)benzenamine	101611	October 1, 1989
4,4'-Methylenedianiline	101779	January 1, 1988

4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline)	101804	January 1, 1988
Diglycidyl resorcinol ether (DGRE)	101906	July 1, 1989
Azobenzene	103333	January 1, 1990
p-Dichlorobenzene	106467	January 1, 1989
p-Chloroaniline	106478	October 1, 1994
para-Toluidine Delisted October 29, 1999	106490	January 1, 1990
4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexenedioxide)	106876	July 1, 1990
Epichlorohydrin	106898	October 1, 1987
Ethylene dibromide	106934	July 1, 1987
1,3-Butadiene	106990	April 1, 1988
Allyl chloride Delisted October 29, 1999	107051	January 1, 1990
Ethylene dichloride (1,2-Dichloroethane)	107062	October 1, 1987
Acrylonitrile	107131	July 1, 1987
Chloromethyl methyl ether (technical grade)	107302	February 27, 1987
Furan	110009	October 1, 1993
Pyridine	110861	May 17, 2002
Bis(2-chloroethyl)ether	111444	April 1, 1988
Azaserine	115026	July 1, 1987
Chlorendic acid	115286	July 1, 1989
Tris(2-chloroethyl) phosphate	115968	April 1, 1992
Tetrafluoroethylene	116143	May 1, 1997
Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone)	117102	January 1, 1992
2-Aminoanthraquinone	117793	October 1, 1989
Di(2-ethylhexyl)phthalate	117817	January 1, 1988
Hexachlorobenzene	118741	October 1, 1987
4-Amino-2-nitrophenol	119346	January 29, 1999
3,3'-Dimethoxybenzidine (ortho-Dianisidine)	119904	January 1, 1988
3,3'-Dimethylbenzidine (ortho-Tolidine)	119937	January 1, 1988
Isosafrole	120581	October 1, 1989
para-Cresidine	120718	January 1, 1988
2,4-Dinitrotoluene	121142	July 1, 1988
Phenyl glycidyl ether	122601	October 1, 1990
Hydrazobenzene (1,2-Diphenylhydrazine)	122667	January 1, 1988
1,4-Dioxane	123911	January 1, 1988
Chlorodibromomethane Delisted October 29, 1999	124481	January 1, 1990
Primidone	125337	August 20, 1999
Griseofulvin	126078	January 1, 1990
Tris(2,3-dibromopropyl)phosphate	126727	January 1, 1988
Nitrogen mustard N-oxide	126852	April 1, 1988
Chloroprene	126998	June 2, 2000
Tetrachloroethylene (Perchloroethylene)	127184	April 1, 1988
Saccharin, sodium Delisted January 17, 2003	128449	January 1, 1988
2-Methyl-1-nitroanthraquinone (of uncertain purity)	129157	April 1, 1988
o-Phenylphenate, sodium	132274	January 1, 1990
Captan	133062	January 1, 1990
Folpet	133073	January 1, 1989
ortho-Anisidine hydrochloride	134292	July 1, 1987
1-Naphthylamine	134327	October 1, 1989
Cupferron	135206	January 1, 1988
Phenazopyridine hydrochloride	136403	January 1, 1988
Di-n-propyl isocinchomeronate (MGK Repellent 326)	136458	May 1, 1996
Metham sodium	137428	November 6, 1998
Nitrilotriacetic acid	139139	January 1, 1988
4,4'-Thiodianiline	139651	April 1, 1988

5-(Morpholinomethyl)-3-[(5-nitro-furfurylidene)- amino] -2-oxazolidinone	139913	April 1, 1988
Aramite	140578	July 1, 1987
Estragole	140670	October 29, 1999
Ethyl acrylate	140885	July 1, 1989
Aniline hydrochloride	142041	May 15, 1998
Chlordecone (Kepone)	143500	January 1, 1988
Melphalan	148823	February 27, 1987
Ethyleneimine	151564	January 1, 1988
2-Aminofluorene	153786	January 29, 1999
Bischloroethyl nitrosourea (BCNU) (Carmustine)	154938	July 1, 1987
p-Nitrosodiphenylamine	156105	January 1, 1988
Dibenzo[a,i]pyrene	189559	January 1, 1988
Dibenzo[a,h]pyrene	189640	January 1, 1988
Dibenzo[a,l]pyrene	191300	January 1, 1988
Dibenzo[a,e]pyrene	192654	January 1, 1988
Indeno [1,2,3-cd]pyrene	193395	January 1, 1988
7H-Dibenzo[c,g]carbazole	194592	January 1, 1988
Benzo[j]fluoranthene	205823	July 1, 1987
Benzo[b]fluoranthene	205992	July 1, 1987
Benzo[k]fluoranthene	207089	July 1, 1987
Chrysene	218019	January 1, 1990
Dibenz[a,j]acridine	224420	January 1, 1988
Dibenz[a,h]acridine	226368	January 1, 1988
Benzofuran	271896	October 1, 1990
8-Methoxypsoralen with ultraviolet A therapy	298817	February 27, 1987
Treosulfan	299752	February 27, 1987
Lead acetate	301042	January 1, 1988
Hydrazine	302012	January 1, 1988
Nitrogen mustard N-oxide hydrochloride	302705	April 1, 1988
Lasiocarpine	303344	April 1, 1988
Ochratoxin A	303479	July 1, 1990
Chlorambucil	305033	February 27, 1987
Aldrin	309002	July 1, 1988
Monocrotaline	315220	April 1, 1988
Azacitidine	320672	January 1, 1992
Diuron	330541	May 31, 2002
Caffeic acid	331395	October 1, 1994
Procarbazine hydrochloride	366701	January 1, 1988
Nickel acetate	373024	October 1, 1989
Nalidixic acid	389082	May 15, 1998
Oxymetholone	434071	January 1, 1988
Metronidazole	443481	January 1, 1988
Azathioprine	446866	February 27, 1987
5-Methoxypsoralen with ultraviolet A therapy	484208	October 1, 1988
Auramine	492808	July 1, 1987
N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornapazine)	494031	February 27, 1987
Mustard Gas	505602	February 27, 1987
Tetranitromethane	509148	July 1, 1990
Ethyl-4,4'-dichlorobenzilate	510156	January 1, 1990
Trimethyl phosphate	512561	May 1, 1996
Dimethylvinylchloride	513371	July 1, 1989
Merphalan	531760	April 1, 1988

N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide	531828	April 1, 1988
1,2-Dimethylhydrazine	540738	January 1, 1988
Isobutyl nitrite	542563	May 1, 1996
1,3-Dichloropropene	542756	January 1, 1989
Bis(chloromethyl)ether	542881	February 27, 1987
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555840	April 1, 1988
Glycidol	556525	July 1, 1990
3-Chloro-2-methylpropene	563473	July 1, 1989
Chlorotrianisene	569573	September 1, 1996
C.I. Basic Red 9 monohydrochloride	569619	July 1, 1989
Methylazoxymethanol	590965	April 1, 1988
Methylazoxymethanol acetate	592621	April 1, 1988
Vinyl bromide	593602	October 1, 1988
Methyl carbamate	598550	May 15, 1998
Salicylazosulfapyridine	599791	May 15, 1998
5-Nitroacenaphthene	602879	April 1, 1988
Oxazepam	604751	October 1, 1994
2,6-Dinitrotoluene	606202	July 1, 1995
2-Nitrofluorene	607578	October 1, 1990
3,3'-Dimethylbenzidine dihydrochloride	612828	April 1, 1992
3,3'-Dichlorobenzidine dihydrochloride	612839	May 15, 1998
N,N'-Diacetylbenzidine	613354	October 1, 1989
2,4-Diaminoanisole	615054	October 1, 1990
N-Nitroso-N-methylurethane	615532	April 1, 1988
N-Nitrosodi-n-propylamine	621647	January 1, 1988
Diphenylhydantoin (Phenytoin), sodium salt	630933	January 1, 1988
ortho-Toluidine hydrochloride	636215	January 1, 1988
Clofibrate	637070	September 1, 1996
Procarbazine	671169	January 1, 1988
Hexamethylphosphoramide	680319	January 1, 1988
N-Nitroso-N-methylurea	684935	October 1, 1987
2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	712685	July 1, 1987
N-Nitroso-N-ethylurea	759739	October 1, 1987
1,4-Dichloro-2-butene	764410	January 1, 1990
Glycidaldehyde	765344	January 1, 1988
Panfuran S	794934	January 1, 1988
Trichlormethine (Trimustine hydrochloride)	817094	January 1, 1992
4,4'-Methylene bis(2-methylaniline)	838880	April 1, 1988
C.I. Solvent Yellow 14	842079	May 15, 1998
N-Nitrosodi-n-butylamine	924163	October 1, 1987
N-Methylolacrylamide	924425	July 1, 1990
N-Nitrosopyrrolidine	930552	October 1, 1987
Heptachlor epoxide	1024573	July 1, 1988
N-Nitrosodiethanolamine	1116547	January 1, 1988
1,3-Propane sultone	1120714	January 1, 1988
Nickelocene	1271289	October 1, 1989
Cobalt [II] oxide	1307966	July 1, 1992
Antimony oxide (Antimony trioxide)	1309644	October 1, 1990
Nickel oxide	1313991	October 1, 1989
Thorium dioxide	1314201	February 27, 1987
Asbestos	1332214	February 27, 1987
Carbon black (airborne, unbound particles of respirable size)	1333864	February 21, 2003
Lead subacetate	1335326	October 1, 1989
Diepoxybutane	1464535	January 1, 1988

Daminozide	1596845	January 1, 1990
1,2-Diethylhydrazine	1615801	January 1, 1988
Benzyl violet 4B	1694093	July 1, 1987
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746016	January 1, 1988
Nitrofen (technical grade)	1836755	January 1, 1988
Chlorothalonil	1897456	January 1, 1989
Propachlor	1918167	February 27, 2001
Direct Black 38 (technical grade)	1937377	January 1, 1988
D&C Red No. 8	2092560	October 1, 1990
Propargite	2312358	October 1, 1994
Mirex	2385855	January 1, 1988
Captafol	2425061	October 1, 1988
C.I. Direct Blue 15	2429745	August 26, 1997
Oxythioquinox	2439012	August 20, 1999
Disperse Blue 1	2475458	October 1, 1990
Terrazole	2593159	October 1, 1994
Direct Blue 6 (technical grade)	2602462	January 1, 1988
Oil Orange SS	2646175	April 1, 1988
HC Blue 1	2784943	July 1, 1989
Diisopropyl sulfate	2973106	April 1, 1993
beta-Butyrolactone	3068880	July 1, 1987
2,2-Bis(bromomethyl)-1,3-propanediol	3296900	May 1, 1996
Nickel carbonate	3333393	October 1, 1989
D&C Orange No. 17	3468631	July 1, 1990
Phenesterin	3546109	July 1, 1989
Ponceau 3R	3564098	April 1, 1988
2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole	3570750	January 1, 1988
AF-2:[2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide	3688537	July 1, 1987
5-Methylchrysene	3697243	April 1, 1988
Ponceau MX	3761533	April 1, 1988
Nafenopin	3771195	April 1, 1988
Dacarbazine	4342034	January 1, 1988
N-Nitrosomethylvinylamine	4549400	January 1, 1988
D&C Red No. 9	5160021	July 1, 1990
p-a,a,a-Tetrachlorotoluene	5216251	January 1, 1990
1-Nitropyrene	5522430	October 1, 1990
Cyclophosphamide (hydrated)	6055192	February 27, 1987
3-Amino-9-ethylcarbazole hydrochloride	6109973	July 1, 1989
Chlordimeform	6164983	January 1, 1989
Citrus Red No. 2	6358538	October 1, 1989
C.I. Acid Red 114	6459945	July 1, 1992
Estropipate	7280377	August 26, 1997
Nickel (Metallic)	7440020	October 1, 1989
Cobalt metal powder	7440484	July 1, 1992
Lead phosphate	7446277	April 1, 1988
Selenium sulfide	7446346	October 1, 1989
6-Nitrochrysene	7496028	October 1, 1990
Potassium bromate	7758012	January 1, 1990
Toxaphene (Polychlorinated camphenes)	8001352	January 1, 1988
Mancozeb	8018017	January 1, 1990
Iron dextran complex	9004664	January 1, 1988
Metiram	9006422	January 1, 1990
Cobalt sulfate heptahydrate	10026241	June 2, 2000
Hydrazine sulfate	10034932	January 1, 1988

Sterigmatocystin	10048132	April 1, 1988
Stanozolol	10418038	May 1, 1997
Tamoxifen and its salts	10540291	September 1, 1996
N-Nitrosomethylethylamine	10595956	October 1, 1989
Nickel subsulfide	12035722	October 1, 1987
Zineb Delisted October 29, 1999	12122677	January 1, 1990
Palygorskite fibers (> 5µm in length)	12174117	December 28, 1999
Maneb	12427382	January 1, 1990
Erionite	12510428	October 1, 1988
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)	13010474	January 1, 1988
(Lomustine)		
Ethoprop	13194484	February 27, 2001
N-Nitrososarcosine	13256229	January 1, 1988
Nickel carbonyl	13463393	October 1, 1987
4,4'-Methylenedianiline dihydrochloride	13552448	January 1, 1988
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1- nitrosourea	13909096	October 1, 1988
(Methyl-CCNU)		
Cycasin	14901087	January 1, 1988
Bromate	15541454	May 31, 2002
Cisplatin	15663271	October 1, 1988
Alachlor	15972608	January 1, 1989
Direct Brown 95 (technical grade)	16071866	October 1, 1988
N-Nitrosornicotine	16543558	January 1, 1988
Gyromitrin (Acetaldehyde methylformylhydrazone)	16568028	January 1, 1988
Nitrilotriacetic acid, trisodium salt monohydrate	18662538	April 1, 1989
Streptozotocin (streptozocin)	18883664	January 1, 1988
Oxadiazon	19666309	July 1, 1991
p-Chloroaniline hydrochloride	20265967	May 15, 1998
3,3'-Dimethoxybenzidine dihydrochloride (ortho-Dianisidine dihydrochloride)	20325400	October 1, 1990
Daunomycin	20830813	January 1, 1988
Cytembena	21739913	May 15, 1998
Indium phosphide	22398807	February 27, 2001
3,9-Dinitrofluoranthene	22506532	August 26, 1997
Adriamycin (Doxorubicin hydrochloride)	23214928	July 1, 1987
Pronamide	23950585	May 1, 1996
Nickel hydroxide	12054487 ; 12125563	October 1, 1989
Butylated hydroxyanisole	25013165	January 1, 1990
Gemfibrozil	25812300	December 22, 2000
A-alpha-C (2-Amino-9H-pyrido[2,3-b]indole)	26148685	January 1, 1990
Toluene diisocyanate	26471625	October 1, 1989
C.I. Direct Blue 218	28407376	August 26, 1997
3,3'-Dichloro-4,4'-diaminodiphenyl ether	28434868	January 1, 1988
Procymidone	32809168	October 1, 1994
Acetochlor	34256821	January 1, 1989
Hexachlorodibenzodioxin	34465468	April 1, 1988
Iprodione	36734197	May 1, 1996
2,4-Diaminoanisole sulfate	39156417	January 1, 1988
1,6-Dinitropyrene	42397648	October 1, 1990
1,8-Dinitropyrene	42397659	October 1, 1990
Vinclozolin	50471448	August 20, 1999
Polygeenan	53973981	January 1, 1988

Chlorozotocin	54749905	January 1, 1992
trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-1,3,4-oxadiazole	55738540	January 1, 1988
4-Nitropyrene	57835924	October 1, 1990
Thiodicarb	59669260	August 20, 1999
3-(N-Nitrosomethylamino)propionitrile	60153493	April 1, 1990
N-Carboxymethyl-N-nitrosourea	60391926	January 25, 2002
Furmecyclox	60568050	January 1, 1990
Trp-P-1 (Tryptophan-P-1)	62450060	April 1, 1988
Trp-P-2 (Tryptophan-P-2)	62450071	April 1, 1988
Acifluorfen	62476599	January 1, 1990
4-(N-Nitrosomethylamino)-1-(3-pyridyl)1-butanone	64091914	April 1, 1990
Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'-d]imidazole)	67730103	January 1, 1990
Glu-P-1 (2-Amino-6-methyldipyrido[1,2- a:3',2'-d]imidazole)	67730114	January 1, 1990
Me-A-alpha-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole)	68006837	January 1, 1990
Shale-oils	68308349	April 1, 1990
Fenoxycarb	72490018	June 2, 2000
IQ (2-Amino-3-methylimidazo[4,5-f]quinoline)	76180966	April 1, 1990
MeIQ(2-Amino-3,4-dimethylimidazo[4,5-f]quinoline)	77094112	October 1, 1994
MX (3-chloro-4-dichloromethyl-5-hydroxy-2(5H)-furanone)	77439760	December 22, 2000
MeIQx(2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline)	77500040	October 1, 1994
Lactofen	77501634	January 1, 1989
Fusarin C	79748815	July 1, 1995
Ganciclovir sodium	82410320	August 26, 1997
PhiP(2-Amino-1-methyl-6-phenylimidazol[4,5-b]pyridine)	105650235	October 1, 1994
3,7-Dinitrofluoranthene	105735715	August 26, 1997
Chlorinated paraffins (Average chain length, C12; approximately 60 percent chlorine by weight)	108171262	July 1, 1989
Zileuton	111406872	December 22, 2000
Cidofovir	113852372	January 29, 1999
Ciclosporin (Cyclosporin A; Cyclosporine)	59865133, 79217600	January 1, 1992
Isoxaflutole	141112290	December 22, 2000

CHEMICALS KNOWN TO THE STATE TO CAUSE REPRODUCTIVE TOXICITY

Chemical	Type of Reproductive Toxicity	CAS No.	Date Listed
Lead	developmental, female, male	---	February 27, 1987
Methyl mercury	developmental	---	July 1, 1987
Ethyl alcohol in alcoholic beverages	developmental	---	October 1, 1987
Tobacco smoke (primary)	developmental, female, male	---	April 1, 1988
Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (NOTE: Retinol/reinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.)	developmental	---	July 1, 1989

Anabolic steroids	female, male	---	April 1, 1990
Conjugated estrogens	developmental	---	April 1, 1990
Mercury and mercury compounds	developmental	---	July 1, 1990
Polychlorinated biphenyls	developmental	---	January 1, 1991
Aminoglycosides	developmental	---	October 1, 1992
Angiotensin converting enzyme (ACE) inhibitors	developmental	---	October 1, 1992
Barbiturates	developmental	---	October 1, 1992
Benzodiazepines	developmental	---	October 1, 1992
Tetracyclines (internal use)	developmental	---	October 1, 1992
Polybrominated biphenyls	developmental	---	October 1, 1994
Arsenic (inorganic oxides)	developmental	---	May 1, 1997
Cadmium	developmental, male	---	May 1, 1997
Histrelin acetate	developmental	---	May 15, 1998
Dinitrotoluene (technical grade)	female, male	---	August 20, 1999
Sermorelin acetate	developmental	---	August 20, 1999
Norethisterone (Norethindrone) /Mestranol	developmental	68224/72333	January 17, 2003 April 1, 1990
Norethisterone (Norethindrone)/ Ethinyl estradiol	developmental	68224/57636	April 1, 1990
Cyclophosphamide (anhydrous)	developmental, female, male	50180	January 1, 1989
p,p' -DDT	developmental, female, male	50293	May 15, 1998
Thalidomide	developmental	50351	July 1, 1987
Cocaine	developmental, female	50362	July 1, 1989
Clomiphene citrate	developmental	50419	April 1, 1990
Actinomycin D	developmental	50760	October 1, 1992
Aspirin (NOTE: It is especially important not to use aspirin during the last three months of pregnancy, unless specifically directed to do so by a physician because it may cause problems in the unborn child or complications during delivery)	developmental, female	50782	July 1, 1990
Fluorouracil	developmental	51218	January 1, 1989
Propylthiouracil	developmental	51525	July 1, 1990
Nitrogen mustard (Mechlorethamine)	developmental	51752	January 1, 1989
Urethane	developmental	51796	October 1, 1994
Norethisterone acetate (Norethindrone acetate)	developmental	51989	October 1, 1991
Codeine phosphate	developmental	52288	May 15, 1998
Penicillamine	developmental	52675	January 1, 1991
Haloperidol	developmental, female	52868	January 29, 1999
Nicotine	developmental	54115	April 1, 1990
Aminopterin	developmental, female	54626	July 1, 1987
Pipobroman	developmental	54911	July 1, 1990
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	developmental	55867	July 1, 1990
1,4-Butanediol dimethane-sulfonate (Busulfan)	developmental	55981	January 1, 1989
Diethylstilbestrol (DES)	developmental	56531	July 1, 1987
Pentobarbital sodium	developmental	57330	July 1, 1990

Diphenylhydantoin (Phenytoin)	developmental	57410	July 1, 1987
Meprobamate	developmental	57534	January 1, 1992
Pyrimethamine	developmental	58140	January 29, 1999
Methyltestosterone	developmental	58184	April 1, 1990
Testosterone cypionate	developmental	58208	October 1, 1991
Chlordiazepoxide	developmental	58253	January 1, 1992
Methotrexate	developmental	59052	January 1, 1989
Acetazolamide	developmental	59665	August 20, 1999
Levodopa	developmental	59927	January 29, 1999
Tetracycline (internal use)	developmental	60548	October 1, 1991
Methimazole	developmental	60560	July 1, 1990
Sodium fluoroacetate	male	62748	November 6, 1998
Phenacemide	developmental	63989	July 1, 1990
Demeclocycline hydrochloride (internal use)	developmental	64733	January 1, 1992
Tetracycline hydrochloride (internal use)	developmental	64755	January 1, 1991
Colchicine	developmental, male	64868	October 1, 1992
Uracil mustard	developmental, female, male	66751	January 1, 1992
Dicumarol	developmental	66762	October 1, 1992
Cycloheximide	developmental	66819	January 1, 1989
Nitrofurantoin	male	67209	April 1, 1991
Norethisterone (Norethindrone)	developmental	68224	April 1, 1990
Benzene	developmental, male	71432	December 26, 1997
Medroxyprogesterone acetate	developmental	71589	April 1, 1990
Endrin	developmental	72208	May 15, 1998
Methyl bromide as a structural fumigant	developmental	74839	January 1, 1993
Methyl chloride	developmental	74873	March 10, 2000
Carbon disulfide	developmental, female, male	75150	July 1, 1989
Ethylene oxide	female	75218	February 27, 1987
Fluoxymesterone	developmental	76437	April 1, 1990
Heptachlor	developmental	76448	August 20, 1999
Triphenyltin hydroxide	developmental	76879	March 18, 2002
Oxytetracycline (internal use)	developmental	79572	January 1, 1991
Warfarin	developmental	81812	July 1, 1987
Dinoseb	developmental, male	88857	January 1, 1989
2,4-D butyric acid	developmental , male	94826	June 18, 1999
1,2-Dibromo-3-chloropropane (DBCP)	male	96128	February 27, 1987
Ethylene thiourea	developmental	96457	January 1, 1993
Dichlorophene	developmental	97234	April 27, 1999
<i>m</i> -Dinitrobenzene	male	99650	July 1, 1990
Valproate (Valproic acid)	developmental	99661	July 1, 1987
<i>p</i> -Dinitrobenzene	male	100254	July 1, 1990
Epichlorohydrin	male	106898	September 1, 1996
Ethylene dibromide	developmental, male	106934	May 15, 1998
Toluene	developmental	108883	January 1, 1991
Cyclohexanol Delisted January 25, 2002	male	108930	November 6, 1998
Ethylene glycol monomethyl ether	developmental, male	109864	January 1, 1989
Ethylene glycol monomethyl ether acetate	developmental, male	110496	January 1, 1993
Ethylene glycol monoethyl ether	developmental, male	110805	January 1, 1989
Ethylene glycol monoethyl ether acetate	developmental, male	111159	January 1, 1993
Paramethadione	developmental	115673	July 1, 1990

Anisindione	developmental	117373	October 1, 1992
Hexachlorobenzene	developmental	118741	January 1, 1989
2,4-DP (dichloroprop) Delisted January 25, 2002	developmental	120365	April 27, 1999
Dichlorphenamide	developmental	120978	February 27, 2001
2,4-Dinitrotoluene	male	121142	August 20, 1999
Prednisolone sodium phosphate	developmental	125020	August 20, 1999
Aminoglutethimide	developmental	125848	July 1, 1990
Hydroxyurea	developmental	127071	May 1, 1997
Trimethadione	developmental	127480	January 1, 1991
Potassium dimethyldithio-carbamate	developmental	128030	March 30 1999
Sodium dimethyldithiocarbamate	developmental	128041	March 30 1999
Metham sodium	developmental	137428	May 15, 1998
Disodium cyanodithio-imidocarbonate	developmental	138932	March 30, 1999
Nabam	developmental	142596	March 30, 1999
Chlordecone (Kepone)	developmental	143500	January 1, 1989
Vinblastine sulfate	developmental	143679	July 1, 1990
Butabarbital sodium	developmental	143817	October 1, 1992
Cytarabine	developmental	147944	January 1, 1989
Melphalan	developmental	148823	July 1, 1990
Halothane	developmental	151677	September 1, 1996
Thioguanine	developmental	154427	July 1, 1990
Bischloroethyl nitrosourea (BCNU) (Carmustine)	developmental	154938	July 1, 1990
Carbamazepine	developmental	298464	January 29, 1999
Oxydemeton methyl	female, male	301122	November 6, 1998
All-trans retinoic acid	developmental	302794	January 1, 1989
Chlorambucil	developmental	305033	January 1, 1989
Secobarbital sodium	developmental	309433	October 1, 1992
Testosterone enanthate	developmental	315377	April 1, 1990
Linuron	developmental	330552	March 19, 1999
Diazoxide	developmental	364987	February 27, 2001
Procarbazine hydrochloride	developmental	366701	July 1, 1990
Ergotamine tartrate	developmental	379793	April 1, 1990
Oxymetholone	developmental	434071	May 1, 1997
Phenprocoumon	developmental	435972	October 1, 1992
Chlordiazepoxide hydrochloride	developmental	438415	January 1, 1992
Diazepam	developmental	439145	January 1, 1992
Azathioprine	developmental	446866	September 1, 1996
Chenodiol	developmental	474259	April 1, 1990
<i>o</i> -Dinitrobenzene	male	528290	July 1, 1990
Ethionamide	developmental	536334	August 26, 1997
Acetohydroxamic acid	developmental	546883	April 1, 1990
Lithium carbonate	developmental	554132	January 1, 1991
Doxycycline (internal use)	developmental	564250	July 1, 1990
Megestrol acetate	developmental	595335	January 1, 1991
Sulfasalazine	male	599791	January 29, 1999
Oxazepam	developmental	604751	October 1, 1992
2,6-Dinitrotoluene	male	606202	August 20, 1999
Carbon monoxide	developmental	630080	July 1, 1989
Altretamine	developmental, male	645056	August 20, 1999
Amantadine hydrochloride	developmental	665667	February 27, 2001
Hexamethylphosphoramide	male	680319	October 1, 1994
Ethyl dipropylthiocarbamate	developmental	759944	April 27, 1999

o,p' -DDT	developmental, female, male	789026	May 15, 1998
Levonorgestrel implants	female	797637	May 15, 1998
Lorazepam	developmental	846491	July 1, 1990
Temazepam	developmental	846504	April 1, 1990
N-Methylpyrrolidone	developmental	872504	June 15, 2001
Lithium citrate	developmental	919164	January 1, 1991
Cycloate	developmental	1134232	March 19, 1999
Flurazepam hydrochloride	developmental	1172185	October 1, 1992
Neomycin sulfate (internal use)	developmental	1405103	October 1, 1992
Chlorcyclizine hydrochloride	developmental	1620219	July 1, 1987
Bromoxynil	developmental	1689845	October 1, 1990
Bromoxynil octanoate	developmental	1689992	May 18, 1999
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	developmental	1746016	April 1, 1991
Nitrapyrin	developmental	1929824	March 30, 1999
Oxytetracycline hydrochloride (internal use)	developmental	2058460	October 1, 1991
Pimozide	developmental, female	2062784	August 20, 1999
Vincristine sulfate	developmental	2068782	July 1, 1990
Tributyltin methacrylate	developmental	2155706	December 1, 1999
Propargite	developmental	2312358	June 15, 1999
Chinomethionat (Oxythioquinox)	developmental	2439012	November 6, 1998
Flunisolide	developmental, female	3385033	May 15, 1998
Ifosfamide	developmental	3778732	July 1, 1990
Streptomycin sulfate	developmental	3810740	January 1, 1991
Methacycline hydrochloride	developmental	3963959	January 1, 1991
Cladribine	developmental	4291638	September 1, 1996
Dacarbazine	developmental	4342034	January 29, 1999
Isotretinoin	developmental	4759482	July 1, 1987
Flurbiprofen	developmental, female	5104494	August 20, 1999
Benzphetamine hydrochloride	developmental	5411223	April 1, 1990
Beclomethasone dipropionate	developmental	5534098	May 15, 1998
Terbacil	developmental	5902512	May 18, 1999
Cyclophosphamide (hydrated)	developmental, female, male	6055192	January 1, 1989
Mercaptopurine	developmental	6112761	July 1, 1990
Dihydroergotamine mesylate	developmental	6190392	May 1, 1997
Norgestrel	developmental	6533002	April 1, 1990
Estropipate	developmental	7280377	August 26, 1997
Menotropins	developmental	9002680	April 1, 1990
Metiram	developmental	9006422	March 30, 1999
Iodine-131	developmental	10043660	January 1, 1989
Resmethrin	developmental	10453868	November 6, 1998
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	developmental	13010474	July 1, 1990
Cyhexatin	developmental	13121705	January 1, 1989
Rifampin	developmental, female	13292461	February 27, 2001
Flutamide	developmental	13311847	July 1, 1990
Nickel carbonyl	developmental	13463393	September 1, 1996
Minocycline hydrochloride (internal use)	developmental	13614987	January 1, 1992
Trilostane	developmental	13647353	April 1, 1990
Amoxapine	developmental	14028445	May 15, 1998
Methotrexate sodium	developmental	15475566	April 1, 1990

Doxycycline monohydrate (internal use)	developmental	17086281	October 1, 1991
Danazol	developmental	17230885	April 1, 1990
Benomyl	developmental, male	17804352	July 1, 1991
Plicamycin	developmental	18378897	April 1, 1990
Streptozocin (streptozotocin)	developmental, female, male	18883664	August 20, 1999
Oxadiazon	developmental	19666309	May 15, 1998
Amiodarone hydrochloride	developmental, female, male	19774824	August 26, 1997
Methazole	developmental	20354261	December 1, 1999
Cyanazine	developmental	21725462	April 1, 1990
Nifedipine	developmental, female, male	21829254	January 29, 1999
Diflunisal	developmental, female	22494424	January 29, 1999
Halazepam	developmental	23092173	July 1, 1990
Doxorubicin hydrochloride	developmental, male	23214928	January 29, 1999
Daunorubicin hydrochloride	developmental	23541506	July 1, 1990
Thiophanate methyl	female, male	23564058	May 18, 1999
Doxycycline hyclate (internal use)	developmental	24390145	October 1, 1991
Clobetasol propionate	developmental, female	25122467	May 15, 1998
Gemfibrozil	female, male	25812300	August 20, 1999
Triforine	developmental	26644462	June 18, 1999
Triazolam	developmental	28911015	April 1, 1990
Alprazolam	developmental	28981977	July 1, 1990
Atenolol	developmental	29122687	August 26, 1997
Teniposide	developmental	29767202	September 1, 1996
Mebendazole	developmental	31431397	August 20, 1999
Paclitaxel	developmental, female, male	33069624	August 26, 1997
Amitraz	developmental	33089611	March 30, 1999
Diltiazem hydrochloride	developmental	33286225	February 27, 2001
Etoposide	developmental	33419420	July 1, 1990
Auranofin	developmental	34031328	January 29, 1999
Quazepam	developmental	36735225	August 26, 1997
Ribavirin	Developmental	36791045	April 1, 1990
Ribavirin	male	36791045	February 27, 2001
Sulindac	developmental, female	38194502	January 29, 1999
Trientine hydrochloride	developmental	38260014	February 27, 2001
Dinocap	developmental	39300453	April 1, 1990
Amikacin sulfate	developmental	39831555	July 1, 1990
Etodolac	developmental, female	41340254	August 20, 1999
Carboplatin	developmental	41575944	July 1, 1990
Triadimefon	developmental, female, male	43121433	March 30, 1999
Tobramycin sulfate	developmental	49842071	July 1, 1990
Vinclozolin	developmental	50471448	May 15, 1998
Diclofop methyl	developmental	51338273	March 5, 1999
Bromacil lithium salt	developmental	53404196	May 18, 1999
Pentostatin	developmental	53910251	September 1, 1996
Etretinate	developmental	54350480	July 1, 1987
Tamoxifen citrate	developmental	54965241	July 1, 1990
Netilmicin sulfate	developmental	56391572	July 1, 1990
Clorazepate dipotassium	developmental	57109907	October 1, 1992

Idarubicin hydrochloride	developmental, male	57852570	August 20, 1999
Misoprostol	developmental	59122462	April 1, 1990
Midazolam hydrochloride	developmental	59467968	July 1, 1990
Chlorsulfuron	developmental, female, male	64902723	May 14, 1999
Goserelin acetate	developmental, female, male	65807025	August 26, 1997
Nimodipine	developmental	66085594	April 24, 2001
Fenoxaprop ethyl	developmental	66441234	March 26, 1999
Halobetasol propionate	developmental	66852548	August 20, 1999
Hydramethylnon	developmental, male	67485294	March 5, 1999
Fluvalinate	developmental	69409945	November 6, 1998
Fluazifop butyl	developmental	69806504	November 6, 1998
Mitoxantrone hydrochloride	developmental	70476823	July 1, 1990
Leuprolide acetate	developmental, female, male	74381536	August 26, 1997
Lovastatin	developmental	75330755	October 1, 1992
Quizalofop-ethyl	male	76578148	December 24, 1999
Fluticasone propionate	developmental	80474142	May 15, 1998
Clarithromycin	developmental	81103119	May 1, 1997
Pravastatin sodium	developmental	81131706	March 3, 2000
Ganciclovir sodium	developmental, male	82410320	August 26, 1997
Trimetrexate glucuronate	developmental	82952645	August 26, 1997
Nafarelin acetate	developmental	86220420	April 1, 1990
Myclobutanil	developmental, male	88671890	April 16, 1999
Doxycycline calcium (internal use)	developmental	94088854	January 1, 1992
Urofollitropin	developmental	97048130	April 1, 1990
Zileuton	developmental, female	111406872	December 22, 2000
Cidofovir	developmental, female, male	113852372	January 29, 1999
Filgrastim	developmental	121181531	February 27, 2001

Date: June 6, 2003